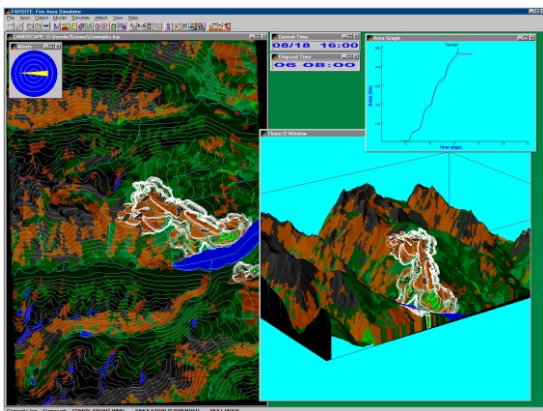# Fire Area Simulator

FARSITE

USDI-NPS ~ USDA-FS, Fire Behavior Research, Fire and Aviation Management, Systems for Environmental Management, Joint Fire Sciences Program
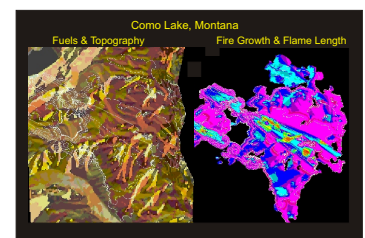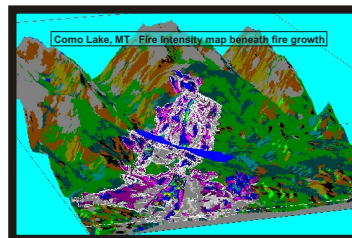
What is it ?

A fire growth simulation program for PCs. It simulates the spread and behavior of fires under conditions of variable terrain, fuels and weather

What type of information will you find ?

* Adjustable time and space resolution for fire spread calculations   * Active display of the
  fire perimeter and fire behavior   * 2D & 3D rendering of landscape and active fire perimeter
* Graphical and tabular output of area and perimeter   * Multiple ignitions as points, lines
  or areas   * Output can be exported to GIS   * Interactive editing of fuels and fire barriers
  on landscape   * Use of weather information for dynamic fuel moisture calculations
* Use of multiple weather and wind streams   * Spotting, surface fire, and crown fire behavior
                                      * Post-frontal combustion and smoke production

Graphical display on PC

*Analysis and Display
using GIS*

How can it help you ?

* Project short and long-term fire behavior   * Plan for potential fires
* Communicate wildland urban interface concerns

Interested ?   *www.fire.org*

FireLab